

WORKSHEET

Layers of the Atmosphere Fill-in-the-Blank

Name:			Date:		
Instructions: After reat the correct missing wo	ading and taking notes from th rds.	e Layers of Atmosphere			
ozone layer	oxygen	hydrogen	cold		
exosphere	stratosphere	drop	mesosphe	ere	
4,500	helium	highest	noctilucer	nt	
closest	colder	rising	Internation	nal Space	
meteors	flying	water vapor	Station		
			warmer		
The Earth's atmosphere	covers the planet, keeps us v	varm, provides	to breathe	e, and is where	
all weather occurs. Earth	n's atmosphere has five major	layers including the trop	osphere,		
	, mesosphere, thermospl	here, and the exosphere.	The troposphere is	the layer	
to the	e Earth's surface. This layer is	s where most of the weat	her and clouds are	generated and	
formed. It contains 99%	of all	and aerosols. This is	s where you will mos	st likely see	
birds and planes	The stratosphere is the layer where you can find the				
	. Unlike the troposph	here, air at the bottom of	this layer is	and	
the air at the top is	This is the		layer of the atmosphere that		
jet airplanes can reach. The next layer is called the			it is between the		
	rmosphere. In this layer, there				
begin to	It is here where	clouds can form due to such scarce			
water vapor. Many	that come i	nto Earth's atmosphere will burn up in this layer. In the			
thermosphere, there is v	ery low density of molecules v	which results in temperat	ures	as the	
altitude increases. Temp	eratures here can reach	degrees Fa	ahrenheit. This layei	⁻ is, also, where	
the	orb	orbits. The final layer is called the			
			be found in this layer, albeit with lots of space between		
	and has no a				



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Answer Key

See below for answers.

The Earth's atmosphere covers the planet, keeps us warm, provides <u>oxygen</u> to breathe, and is where all weather occurs. Earth's atmosphere has five major layers including the troposphere, <u>stratosphere</u>, mesosphere, thermosphere, and the exosphere. The troposphere is the layer <u>closest</u> to the Earth's surface. This layer is where most of the weather and clouds are generated and formed. It contains 99% of all <u>water</u> <u>vapor</u> and aerosols. This is where you will most likely see birds and planes <u>flying</u>. The stratosphere is the layer where you can find the <u>ozone layer</u>. Unlike the troposphere, air at the bottom of this layer is <u>warmer</u> and the air at the top is <u>colder</u>. This is the <u>highest</u> layer of the atmosphere that jet airplanes can reach. The next layer is called the <u>mesosphere</u>—it is between the stratosphere and the thermosphere. In this layer, there is little to no air, so as the altitude rises the temperatures begin to <u>drop</u>. It is here where <u>noctilucent</u> clouds can form due to such scarce water vapor. Many <u>meteors</u> that come into Earth's atmosphere will burn up in this layer. In the Thermosphere, there is very low density of molecules which results in temperatures <u>rising</u> as the altitude increases. Temperatures here can reach <u>4,500</u> degrees Fahrenheit. This layer is, also, where the <u>International Space Station</u> orbits. The final layer is called the <u>exosphere</u>. Hydrogen and <u>helium</u> can be found in this layer, albeit with lots of space between them. This layer is very <u>cold</u> and has no air to breathe.